

20

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Pa

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re

20

<400> 2
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ggggtacccc ctctgcaa at gtcaaa 26

```
<220>
"
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"
Oligonucleotides
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```
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acgcacgagc tcagatcttc gcttgtgagg                                     30
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<212> DNA
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<213> Artificial Sequence
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<220>
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      Oligonucleotides
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<212> DNA

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: Synthetic

Oligonucleotides

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33

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<210> 6

<211> 28

<212> DNA

<213> Artificial Sequence

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Oligonucleotides

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gggggtaccaa atttatctct catgatag

28

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<210> 7

<211> 21

<212> DNA

<213> Artificial Sequence

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<220>

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Oligonucleotides

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21

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<210> 8

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic

Oligonucleotides

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21

<210> 9

<211> 54

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<213> Artificial Sequence

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Oligonucleotides

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54

<210> 10

<211> 50

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Oligonucleotides

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50

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<210> 11

~

<211> 52

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<212> DNA

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<213> Artificial Sequence

~

~

<220>

~

<223> Description of Artificial Sequence: Synthetic

~

Oligonucleotides

~

~

<400> 11

~

agcataaaaa aaggaagttt aatagaatgt atcatctatc aaacttcggt ac

52

~

<210> 12

~

<211> 60

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<212> DNA

~

<213> Artificial Sequence

~

~

<220>

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<223> Description of Artificial Sequence: Synthetic

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Oligonucleotides

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~

<400> 12

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ccgggataaa caatgggttat ctatctgcac taataaggta gataatcatt gttttttcag 60

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<210> 13

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<211> 27

~

<212> DNA

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<213> Artificial Sequence

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~

<220>

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<223> Description of Artificial Sequence: Synthetic

~

Oligonucleotides

~

"
<400> 13
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"
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<210> 14
"
<211> 33
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<213> Artificial Sequence
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"
<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotides
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"
<400> 14
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<210> 15
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<211> 39
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<212> DNA
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<213> Artificial Sequence
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"
<220>
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Oligonucleotides
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<400> 15
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<210> 16
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<211> 26
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<212> DNA
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<213> Artificial Sequence
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"
<220>
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<223> Description of Artificial Sequence: Synthetic
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<400> 16
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taatgatgtc tagattagat aaaagt
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<211> 29
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<212> DNA
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<213> Artificial Sequence
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<220>
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29

<210> 18
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<211> 62
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<212> DNA
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<213> Artificial Sequence
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<220>
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<223> Description of Artificial Sequence: Synthetic
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<400> 18
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aa
"

62

<210> 19
"

<211> 60
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<212> DNA
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<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: Synthetic

" Oligonucleotides

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<400> 19

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"

<210> 20

<211> 46

<212> DNA

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: Synthetic

" Oligonucleotides

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<400> 20

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"

<210> 21

<211> 37

<212> DNA

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: Synthetic

" Oligonucleotides

"

<400> 21

tttttttttag tttttcatga actcgacaaa taaaaaa 37

"

<210> 22

43

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<210> 25
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<213> Artificial Sequence
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<220>
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Oligonucleotides
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"
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<210> 26
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<211> 29
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<212> DNA
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<213> Artificial Sequence
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"
<220>
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Oligonucleotides
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<400> 26
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"
"
<210> 27
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<211> 42
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<212> DNA
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<213> Artificial Sequence
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<220>
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<223> Description of Artificial Sequence: Synthetic
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Oligonucleotides
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"

<400> 27

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42

<210> 28

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Oligonucleotides

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41

<210> 29

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Oligonucleotides

<400> 29

ggaatttttaa gtttaaacga ggagtagggtt gaatgggta

39

<210> 30

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

“ Oligonucleotides

“

<400> 30

acatacgcat gcgaattcct tgcgctaaaa ttatac

36

“

<210> 31

“

<211> 42

“

<212> DNA

“

<213> Artificial Sequence

“

<220>

<223> Description of Artificial Sequence: Synthetic

“

Oligonucleotides

“

<400> 31

ggaattttaa gtttaaacga ataggagaga tttataatg gc

42

“

<210> 32

“

<211> 39

“

<212> DNA

“

<213> Artificial Sequence

“

<220>

<223> Description of Artificial Sequence: Synthetic

“

Oligonucleotides

“

<400> 32

acatacgcat gcgaattcac gagtttgtgg cattggacc

39

“

<210> 33

“

<211> 114

“

<212> DNA

“

<213> Artificial Sequence

“

0036554-00371

<220>

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<223> Description of Artificial Sequence: Synthetic DNA

"

fragment

"

~

<400> 33

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ggtaccgaag tttgatagat gatacattct attaaacttc ctttttttat gctctgaaaa 60
aacaatgatt atctacctta ttagtgcaga tagataacca ttgtttatcc cggg 114

"

<210> 34

"

<211> 2076

"

<212> DNA

"

<213> Escherichia coli

"

<400> 34

"

cccgggtagg acacaatatc cacttgtagt ttataataac gatctcctcc tttccacttt 60
aattcaaadc tatattaaag aatatttcat cttattttaat aagaaaccat atttatataa 120
caacataaaa cgcactaagt tattttattg aacatatatc ttactttatc tatccgacta 180
tttagacgac gggctctggca aacagggttcg ccagtggtaa cctgatatcc ttttagctct 240
gctaaacaaa cactaagccc atttgtaaaa aaagttaaat cattgcgata atcttgaata 300
catcgagcag gaatttctcc aataataatg acctcattat ttttcagttg agtattttacg 360
atatttgcac aatatttggg agcatcggtta tatgcccgtg aaagatatcc ctgtgggtgca 420
taaactttta aactaagata tggtcttaac aattctgttc cagcttttct aaaggcttgc 480
tccagtacaa taggagtaag catccgaaaa tctgctggag tactaacagg gctatagtat 540
aaaccgtact taaaacagat tttaaatcc gtcacattcc aaccatataa tcttgttctg 600
caaccatagc gtatcccttc cataactgca ttttgaaatg attgatttaa gtatccaaga 660
gaaaccgagc tctcatactg cattccactt cccaacggaa gcggtgatac agataaacca 720
atggaagccc agaaaggatt tggcggcact tcgatgtgaa tggatatattc tgcatttttt 780
aacggtctct ccatataaat gactgtaggc tcttttagtt ctatctccac atgatacttt 840
tcttgcaaca gtgcactaat cacttccatt tgtactttcc ctaagaaaga aagtataatt 900
tcatgtgtcg tagaatccac gtaatatcgt agaagcggat cactatctga gatttccaaa 960
agggcaccaa gcaacatttc tctctgttca ggtttactcg gttcaacagt tgtttgtagt 1020
agaggggtgcg gattttcaat cttttttctc tgtggcaata gttttgtatc tccaagaaca 1080
ctatttaact tcaaaaactc attttgcaaa ataacaattt ctccagaata agctctatca 1140
atcttacata attcaccatt tattgaagta tacatttctg taacttttat tttttctttt 1200

tctgatactc taaccgaatc tcgtaaatgt agtactccac tataaaggcg tatatatgca 1260
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cctcgatgtg ttgatgaata aaatttatta gtaataaact ctataagggt atcaatccct 1380
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ctttcctctt gttcgagttc caatgcttct aatgatttac cggacatata tttctctaaa 1500
aggtcacgtt ttccctctat taccgtatcc cattgttcag attcggtaaa gttcgtcaca 1560
cacatattag gatacagttc taccttctgt ttgattacaa tttcggcaga aagtttctct 1620
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aagattgtgg gaatcccat tttcctaagt gcatgaaata atatacgagt ttgtgcttgt 1740
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acttctgcta agaaatccat atgtcctggc gtgtctatga tgttcacctt cgtattttcc 1860
cactgaaaag aggttatctc tgtctgaatt gtaattctct tctgacgttc taaaagcgta 1920
ttatccgtcc tcgttgatcc tttgtccacg ctctctaatt ctgtaatcgc tccactgtta 1980
tataataagc tttctgttaa ggtagttttt cctgcatcaa catgagctaa aactccaata 2040
ttaataatth tcatgtgatt ttctccatt ggatec 2076

"

<210> 35

"

<211> 615

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<212> DNA

"

<213> Escherichia coli

"

"

<220>

"

<223> Description of Combined DNA/RNA Molecule: Nucleic

"

acid

"

"

<400> 35

"

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aaggccgaat aagaaggctg gctctgcacc ttggtgatca aataattcga tagcttgctg 120
taataatggc ggcatactat cagtagtagg tgtttccctt ttttcttttag cgacttgatg 180
ctcttgatct tccaatacgc aacctaaagt aaaatgcccc acagcgctga gtgcatataa 240
tgcattctct agaaaaacct tgttggcata aaaaggctaa ttgattttcg agagtttcat 300
actgtttttc tgtaggccgt gtacttttgc tccatcgca tgacttagta aagcacatct 360
aaaactttta gcgttattac gtaaaaaatc ttgccagctt tccccttcta aagggcaaaa 420
gtgagtatgg tgctatcta acatctcaat ggctaaggcg tcgagcaaag cccgcttatt 480

ttttacatgc caatacaatg taggctgctc tacacctagc ttctggggcga gtttacgggt 540
tggttaaacct tcgattccga cctcattaag cagctctaataat gcgctgttaa tcactttact 600
tttatctaata ctaga 615

~

<210> 36

~

<211> 680

~

<212> DNA

~

<213> Escherichia coli

~

<400> 36

~

ggatccttaa gaccacattt cacatttaag ttgtttttct aatccgcata tgatcaattc 60
aaggccgaat aagaaggctg gctctgcacc ttggatgatca aataattcga tagcttgctg 120
taataatggc ggcatactat cagtagtagg tgtttccctt tcttcttttag cgacttgatg 180
ctcttgatct tccaatacgc aacctaaggt aaaatgcccc acagcgctga gtgcatataa 240
tgcattctct agaaaaacct tgttggcata aaaaggctaa ttgattttcg agagtttcat 300
actgtttttc tgtaggcctg gtacttttgc tccatcgca tgacttagta aagcacatct 360
aaaactttta gcgttattac gtaaaaaatc ttgccagctt tccccctcta aaggggcaaaa 420
gtgagtatgg tgccatctca acatctcaat ggctaaggcg tcgagcaaag ccgcttatt 480
ttttacatgc caatacaatg taggctgctc tacacctagc ttctggggcga gtttacgggt 540
tggttaaacct tcgattccga cctcattaag cagctctaataat gcgctgttaa tcactttact 600
tttatctaata ctagacatca ttaattccta atttttgttg acgacactct atcattgata 660
gagttatttg tcaaactagt 680

~

<210> 37

~

<211> 152

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<212> DNA

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<213> Artificial Sequence

~

~

<220>

~

<223> Description of Artificial Sequence: Synthetic

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Oligonucleotides

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~

<400> 37

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tctagacatc attaattcct cctttttgtt gacactctat cattgataga gttatttgtc 60

aaactagttt tttatttgtc gagttcatga aaaactaaaa aaaattgaca ctctatcatt 120
gatagagtat aattaaaata aaaaagctgc ag 152

"

<210> 38

"

<211> 876

"

<212> DNA

"

<213> Staphylococcus aureus

"

<400> 38

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ctgcagcgga gggtttattt tgaaaaagtt aatattttta attgtaattg ctttagtttt 60
aagtgcattgt aattcaaaca gttcacatgc caaagagtta aatgatttag aaaaaaata 120
taatgctcat attgggtgttt atgctttaga tactaaaagt ggtaaggaag taaaatttaa 180
ttcagataag agatttgctt atgcttcaac ttcaaaagcg ataaatagtg ctattttgtt 240
agaacaagta ctttataata agttaaataa aaaagtacat attaacaaag atgatatagt 300
tgcttattct cctatttttag aaaaatatga ggaaaagata tcactttaaa agcacttatt 360
gaggcttcaa tgacatatag tgataatata gcaacaata aaattataaa agaaatcggg 420
ggaatcaaaa aagttaaaca acgtctaaaa gaactaggag ataaagtaac aaatccagtt 480
agatatgaga tagaattaaa ttactattca ccaagagca aaaaagatac ttcaacacct 540
gctgctttcg gtaagacttt aaataaactt atcgcaaagtg gaaaattaag caaagaaaac 600
aaaaaattct tacttgattt aatgttaaata aataaaagcg gagatacttt aattaaagac 660
gggtgttccaa aagactataa gggtgctgat aaaagtggtc aagcaataac atatgcttct 720
agaaatgatg ttgcttttgt ttatcctaag ggccaatctg aacctattgt tttagtcatt 780
tttacgaata aagacaataa aagtgataag ccaaatgata agttgataag tgaaaccgcc 840
aagagtgtaa tgaaggaatt ttaagaattc gcatgc 876

"

<210> 39

"

<211> 872

"

<212> DNA

"

<213> Staphylococcus aureus

"

<400> 39

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ctgcagcgga gggtttattt tgaaaaagtt aatattttta attgtaattg ctttagtttt 60
aagtgcattgt aattcaaaca gttcacatgc caaagagtta aatgatttag aaaaaaata 120
taatgctcat attgggtgttt atgctttaga tactaaaagt ggtaaggaag taaaatttaa 180


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<400> 41
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gtttaaacga ataggagaga ttttataatg gcaaaagaaa aattcgatcg ttctaaagaa 60
catgccatt cggtaacttcg gtcacgttga ccatggtaaa acaacattaa cagcaatcgc 120
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tactgtatta gcaaaaaatg gtgactcagt tgcacaatca tatgacatga ttgacaacgc 180
tccagaagaa aaagaacgtg gtatcacaat caatacttct cacattgagt accaaactga 240
caaacgtcac tacgctcacg ttgactgcc aggacacgct gactacgtta aaaacatgat 300
cactggtgct gctcaaatgg acggcggtat cttagtagta tctgctgctg acggtccaat 360
gccacaaact cgtgaattcg catgc 385

"

<210> 42

"

<211> 379

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<212> DNA

"

<213> Staphylococcus aureus

"

"

<400> 42

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cacgcgtgag gaaatcatta aatattttaca atctatccaa caaacattga ataattaagt 120
ttacttgatt taaaaaaatt aggcgaatac tgtttgaaaa agtgaaaaac ggtgaattat 180
aaaattgaat acaattttcaa aaaaagtaat atgagcaaac ccaaacgttc atattacttt 240
ttttgaaatt gtattcaaaa atctaaatat tactataaaa gtatacgcaa ttaaagcggt 300
tatgttttag ttttaacatt aactattgta tacttattta gattagattt attatttttg 360
acatttgcag aggggtacc 379

"

<210> 43

"

<211> 420

"

<212> DNA

"

<213> Staphylococcus aureus

"

"

<400> 43

"

gtttaaactg caaatacgga aatgaaatta attaacgaga gacaaatagg agtaatgata 60
atgaagttta caaatttaac agctaaagag tttggtgcct ttacagatag catgccatac 120
agtcatttca cgcaaactgt tggccactat gagttaaagc ttgctgaagg ttatgaaaca 180
catttagtgg gaataaaaaa caataataac gaggtcattg cagcttgctt acttactgct 240
gtacctgtta tgaaagtgtt caagtatttt tattcaaato gcggtccagt gattgattat 300
gaaaatcaag aactcgtaca ctttttcttt aatgaattat caaaatatgt taaaaaacat 360
cgttgtctat acctacatat cgatccatat ttaccatato aatacttgaa ttgcgatgcg 420

"

<210> 44

"

<211> 290

"

<212> DNA

"

<213> Staphylococcus aureus

"

"

<400> 44

"

gagctcgggt tcaatattaa ctgaaaaaga attagattaa atattaattt ggaaaactgg 60

aacaacaaaa aagttatatg accgcgtagg tcttaatgaa gagacgctaa gtattttaga 120

tactgaaatc actaaaaaaaa caatacctgt aagacctggg agaaatgttg cggtaattat 180

"

tgaggtcgct gcaatgaact atcgattaaa tatcatgggc attaacactg ccgaagaatt 240

"

tagtgaaaga ttaaataag aaattatcaa gaacagtcac aagaggtacc 290

"

<210> 45

"

<211> 434

"

<212> DNA

"

<213> Staphylococcus aureus

"

"

<400> 45

"

gtttaaacgg aggagtaggt tgaatgggta ttgtatttaa ctatatagat cctgtggcat 60

ttaacttagg accactgagt gtacgatggg atggaattat cattgctgtc ggaatattac 120

"

ttgggttactt tgttgcacaa cgtgcactag ttaaagcagg attacataaa gatacttttag 180

"

tagatattat tttttatagt gcaactatttg gatttatcgc ggcacgaatc tattttgtga 240

"

ttttccaatg gccatattac gcggaaaatc caagtgaaat tattaataa tggcatgggtg 300

"

gaatagcaat acatgggtgg ttaatagggt gctttattgc tgggtgttatt gtatgtaaag 360

gaaaaattta aaccatttc aaattgggtga tatcggttgcg ccaagtataa ttttagcgca 420

aggaattcgc atgc 434

"

"

"

0036554-26200960